User's Manual

ELVIS Series

ALTO®

www.altoproaudio.com

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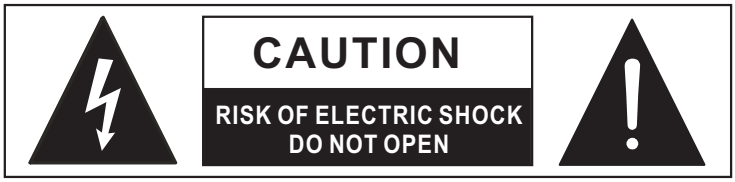
— English —

SAFETY INSTRUCTIONS



⚠ "Electric discharge"

This symbol, alert you to the presence of uninsulated dangerous voltage inside the product enclosure, which constitutes a risk of electric shock.

⚠ "Exclamatory point"

This symbol, alert the user to the presence of important operating and maintenance instructions in the owner's manual included to the product.

1. Read Instructions

All the safety and operation instructions should be read before using the product and retain them for future reference.

2. Water & Moisture

This product should not be used near water and will be protect from atmospheric agents in fixed or temporary installations.

3. Heat

This product should be situated away from heat sources such as radiators, or other devices which produce heat.

4. Liquid Entry

Care should be taken so that liquids are not spilled into the product and that objects do not fall on.

5. Service Assistance

This product should be serviced only by qualified service personnel when :

a. Liquids has spilled or objects have fallen into this product, or

b. This product has been exposed to rain, or

c. This product does not appear to operate normally or exhibits change in performance, or has been dropped or its cabinet / chassis damaged.

6. Package

The package of this product has been tested, inspect the package before open, if any damage is found, notify to your dealer.

7. Hearing

This product produce high acoustic levels may cause permanent hearing loss, (SPL in for a defined period of time).

8. Installations

This product should be installed on the wall or in the floor with specific stands, according to the max weight.

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1. QUICK START - PASSIVE SPEAKER CABINET

Make all initial connections with all the equipment powered off, and ensure that all the main volume controls are turned completely down.

-. For Passive Full-range Speakers

1). Connect one side of the speaker cable to the Output CHA/CHB or Binding Post of your stereo power amplifier and the other side to the Input socket of your speaker cabinet.

2). Complete other connections as illustrated.

3). Turn on your mixer first, then the stereo power amplifier.

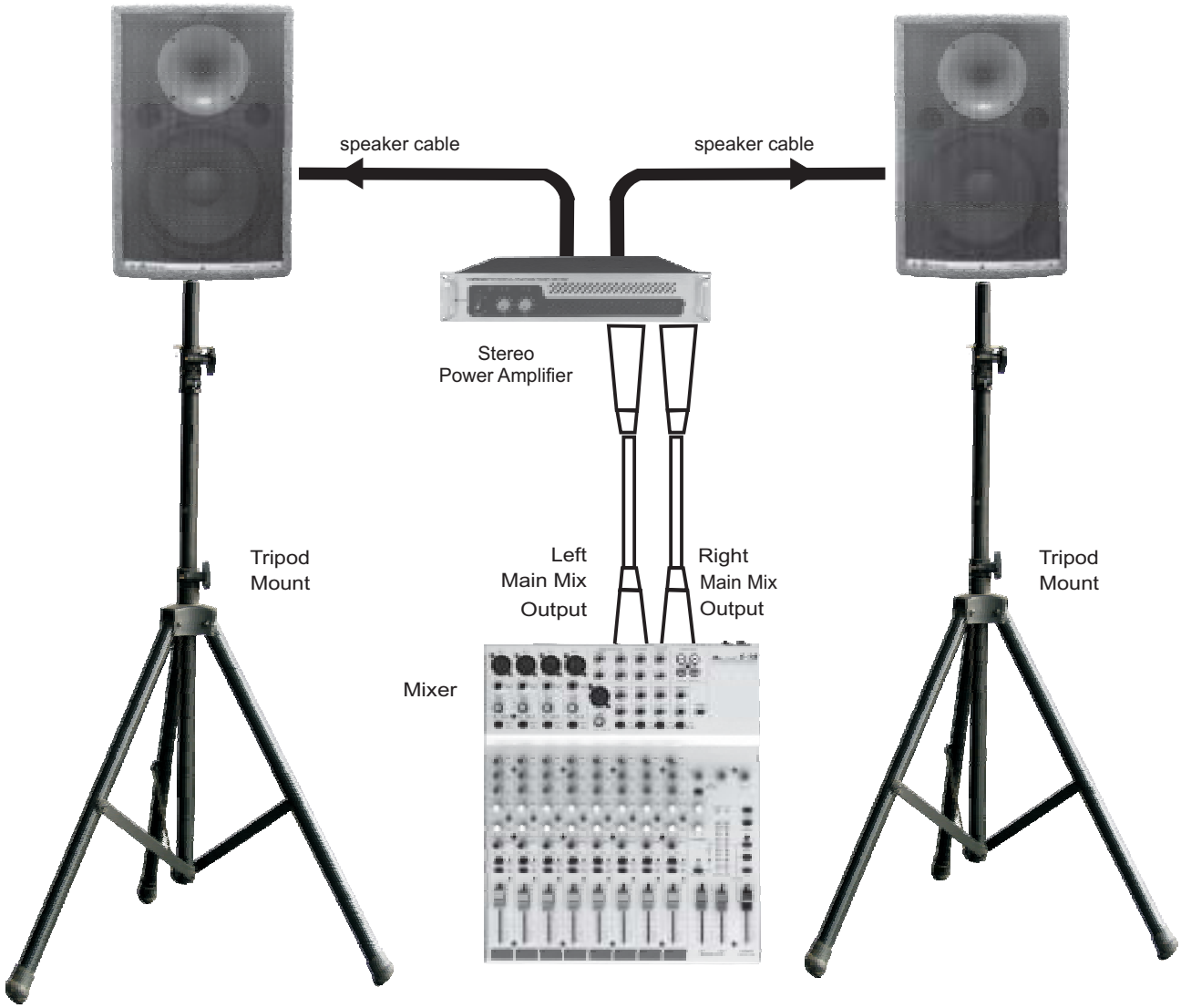
4). Turn up the volume controls of your amplifier to about 70%.

5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.

6). After using, turn off your stereo power amplifier first, then the mixer.

QUICK START

Elvis Passive Full-range Speakers



-. For Passive Subwoofer & Satellite Speakers

1). Connect one side of speaker cable to the Output CHA/CHB or Binding Post of your stereo power amplifier and the other side to the Input socket of your subwoofer, with the second speaker cable connect the Output of the subwoofer to the Input of satellite.

2). Complete other connections as illustrated.

3). Turn on your mixer first, then the stereo power amplifier.

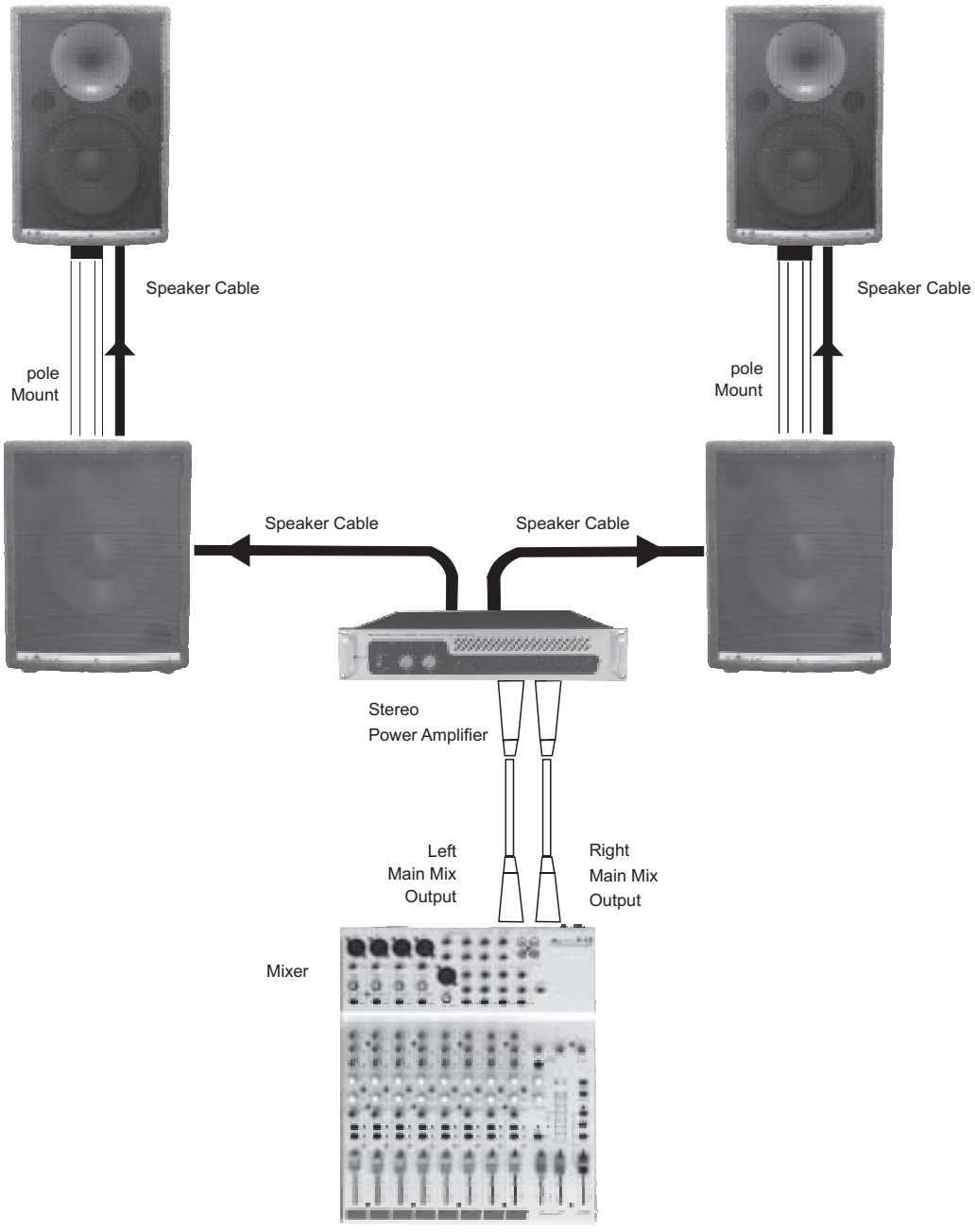
4). Turn up the volume controls of your amplifier to about 70%.

5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.

6). After using, turn off your stereo power amplifier first, then the mixer.

QUICK START

ELVIS Passive Subwoofer & Satellite Speakers



2. QUICK START - ACTIVE SPEAKER CABINET

Make all initial connections with all the equipment powered off, and ensure that all the main volume controls are turned completely down.

-. For Active Full-range Speakers

1). Connect one side of the signal cable at your audio mixer in to Output Left /Right (with Stereo-Jack or XLR) and the other side of the cable in to the Line Input (COMBO) of your active speaker cabinet (with Stereo-Jack or XLR).

2). Connect the power cord to mains.

3). Turn on your mixer first, then the active speaker cabinets.

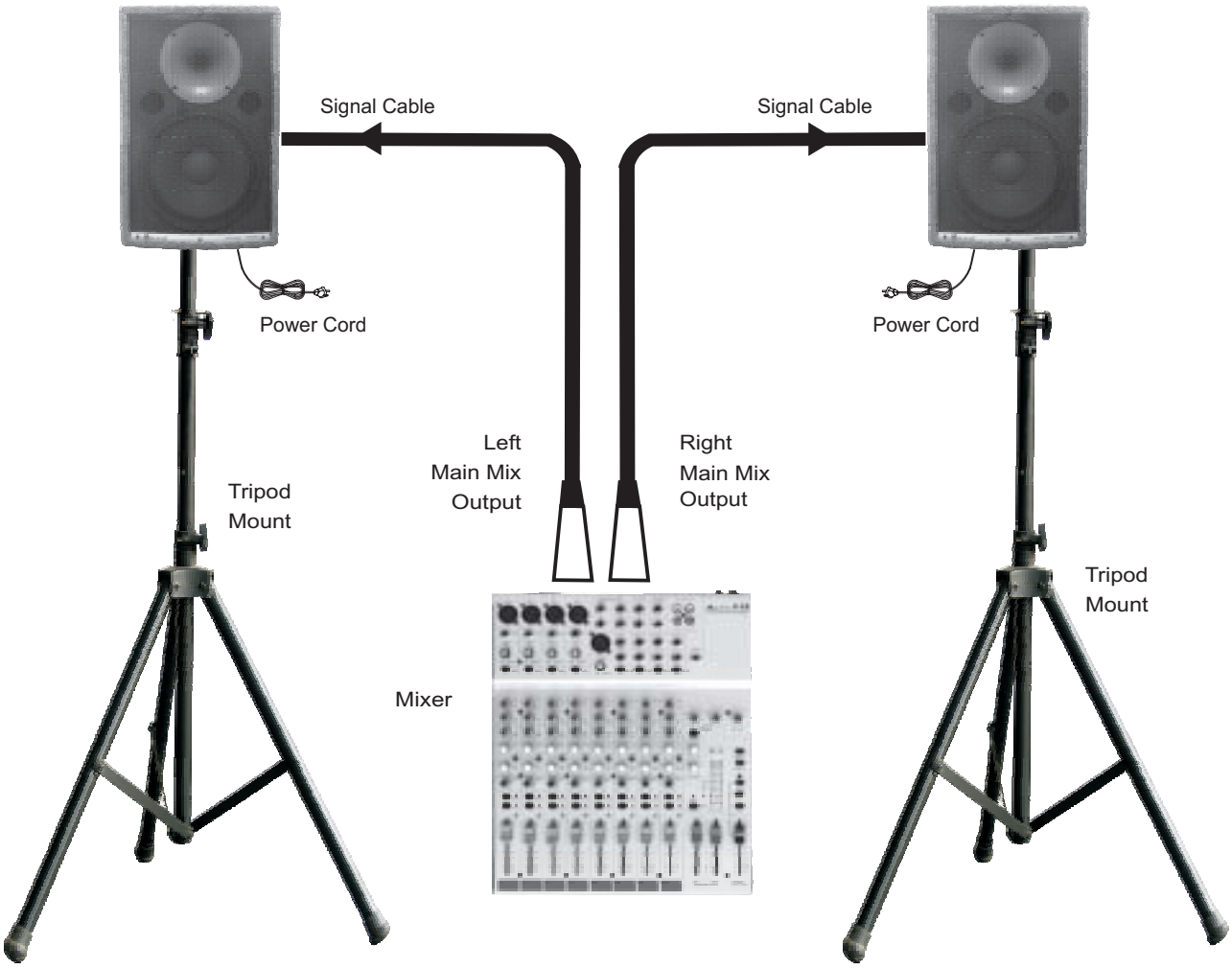
4). Turn up the volume control fo the active speaker cabinets.

5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.

6). After using, turn off your active speaker cabinets first, then the mixer.

QUICK START

Elvis Active Full-range Speakers



-. For Active Subwoofer & Satellite Speakers

1). Connect one side of signal cable at your audio mixer in to Output Left /Right (with Stereo-Jack or XLR) and the other side of the cable in to the Left / Mono Input (COMBO) of the active subwoofer; with the second signal cable connect the Left Output of the subwoofer (Stereo/Mono-Jack or XLR) to the Line Input (COMBO) of the active satellite (with Stereo - Jack or XLR).

2). Connect the power cord to mains.

3). Turn on your mixer first, then the active speaker cabinets.

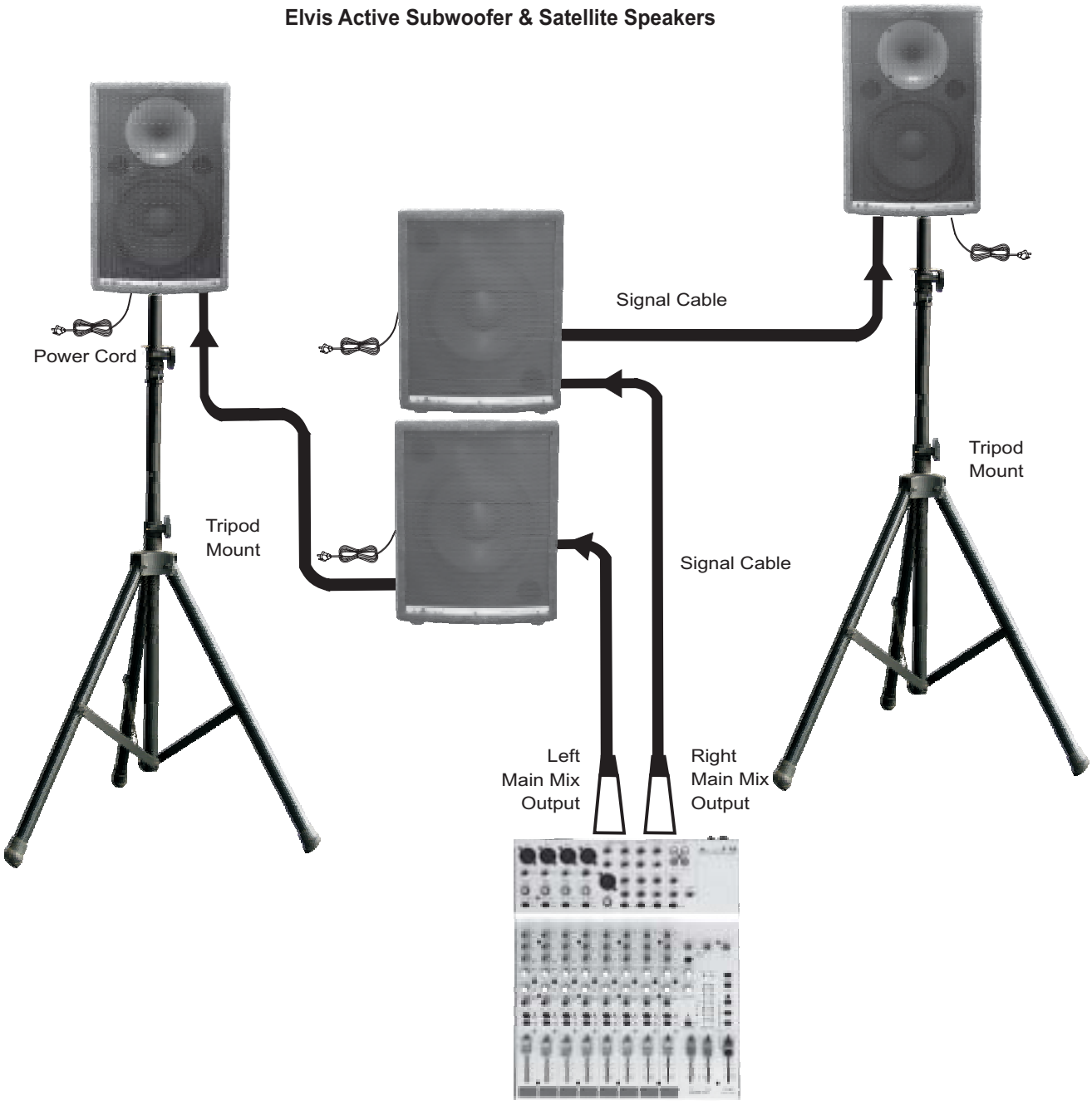
4). Turn up the volume control fo the active speaker cabinets.

5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.

6). After using, turn off your active speaker cabinets first, then the mixer.

QUICK START

Elvis Active Subwoofer & Satellite Speakers

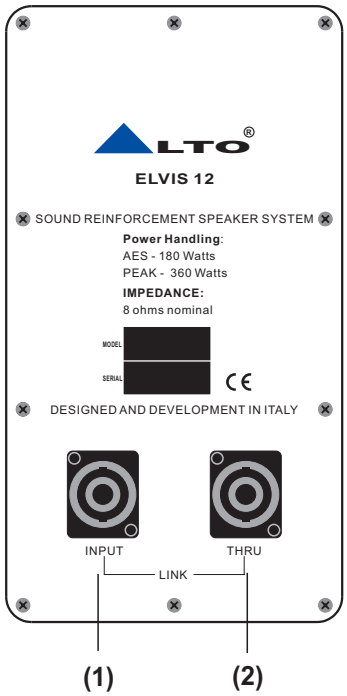


3. CONNECTION PLATE

- PASSIVE FULL-RANGE Speaker for ELVIS10 / ELVIS12 / ELVIS15 / ELVIS12M/ELVIS15M

(1) INPUT: Receive the power coming from an external power amplifier (SPK +1/-1 connected; +2/-2 not connected).

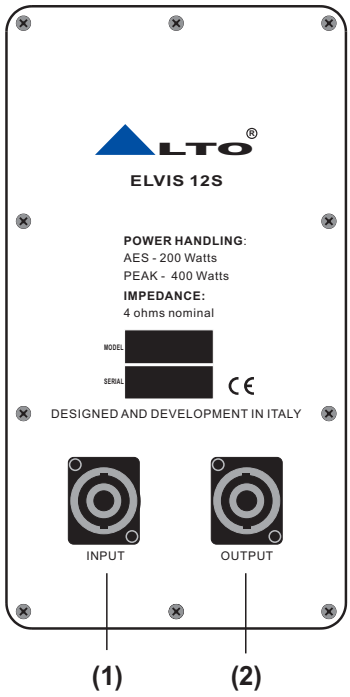
(2) THRU: Direct LINK for connect in parallel a second speaker cabinet (SPK +1/-1 connected; +2/-2 not connected).



- PASSIVE SUBWOOFER Speaker for ELVIS12S / ELVIS15S

(1) INPUT: Receive the power coming from an external amplifier (SPK +1/-1 connected;+2/-2 not connected).

(2) OUTPUT: Power output for satellite speaker, under passive crossover filtered at 125Hz (SPK +1/-1 connected; +2/-2 not connected).



-. ACTIVE FULL- RANGE Speaker for ELVIS10A / ELVIS12A / ELVIS15A / ELVIS12MA/ELVIS15MA

(1) Bi-polar main power switch.

(2) Input AC power socket with main fuse.

(3) Ground Swicth.

(4) POWER, blue LED, indicate ON status.

(5) SIGN / COMP, signal/compressor, green/red LED

(6) LINE OUT at + 4dB on XLR connector

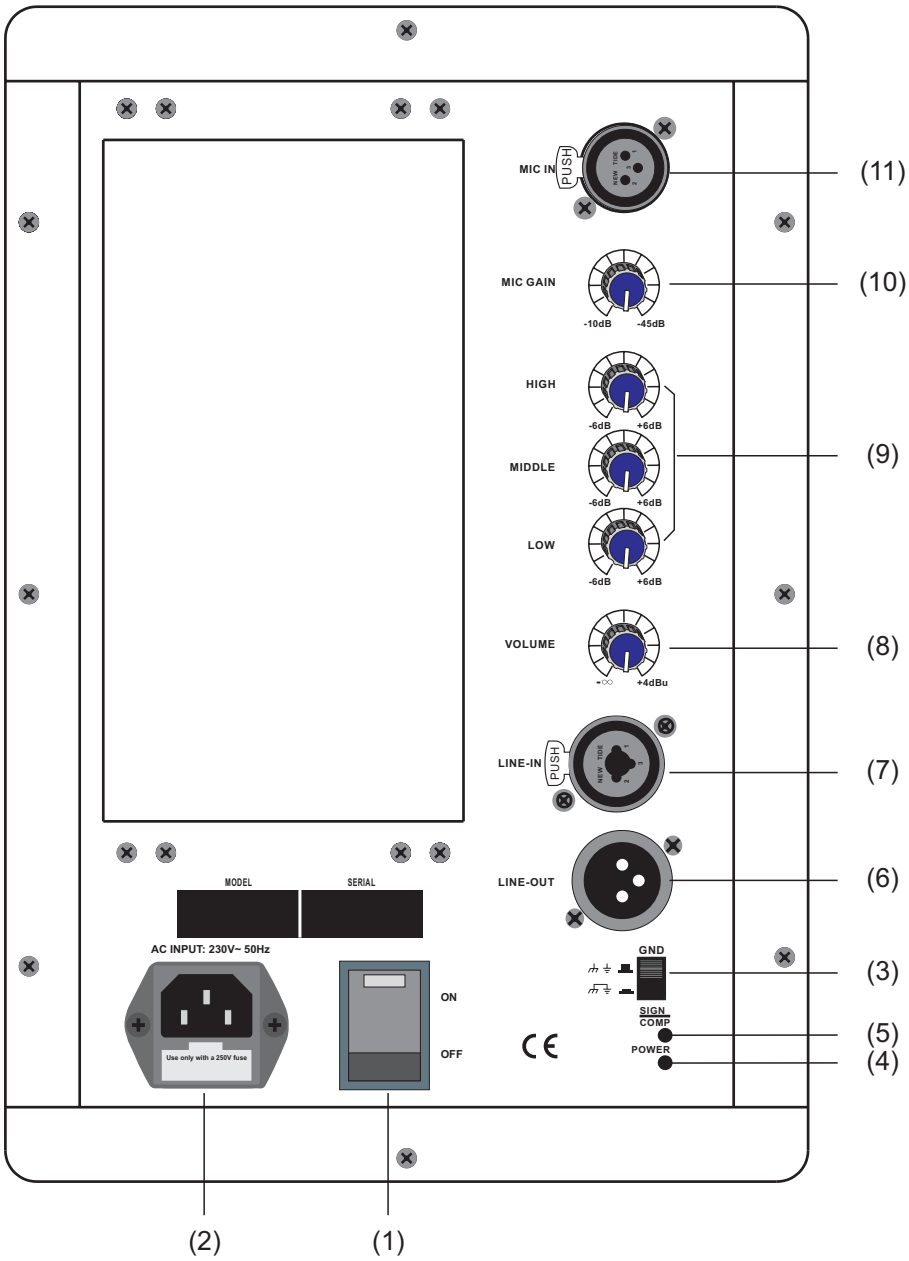
(7) LINE IN at + 4dB on COMBO connector.

(8) VOLUME main power amplifier control.

(9) LOW / MID / HIGH, EQ tone control at +/- 6dB.

(10) GAIN control for microphone -10/- 45dB.

(11) MIC IN on balanced XLR, for microphone.



-. ACTIVE SUBWOOFER Speaker for ELVIS12 SA / ELVIS15 SA

(1) Bi-polar main power switch.

(2) Input AC power socket with main fuse.

(3) Ground Swicth.

(4) POWER, blue LED, indicate ON status.

(5) SIGN / COMP, signal/compressor, green/red LED

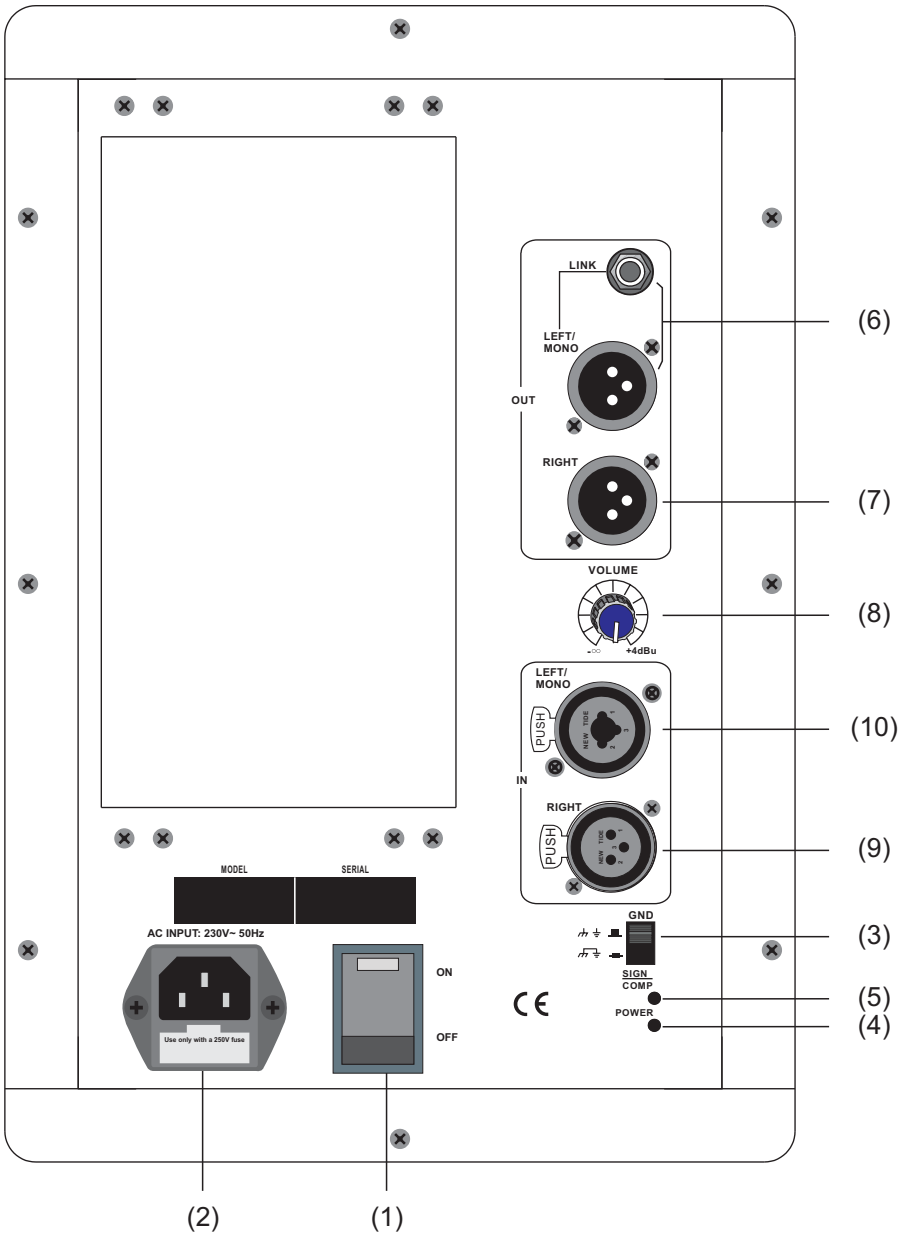
(6) LEFT signal output on XLR or Jack connector for active satellite, under electronic crossover at 125Hz.

(7) RIGHT on XLR connector for active satellite, under electronic crossover at 125Hz.

(8) VOLUME main power amplifier control.

(9) RIGHT, input signal on XLR connector.

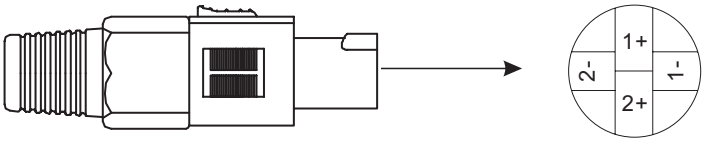
(10) LEFT/MONO, input signal on COMBO connector.



4. WIRE CONNECTIONS

-. For Passive Speaker Cabinets

Please use only the power connectors to make connections with other signal source equipment for the passive speaker cabinets. The power connector has four terminals: 1+, 1-, 2+, 2-.

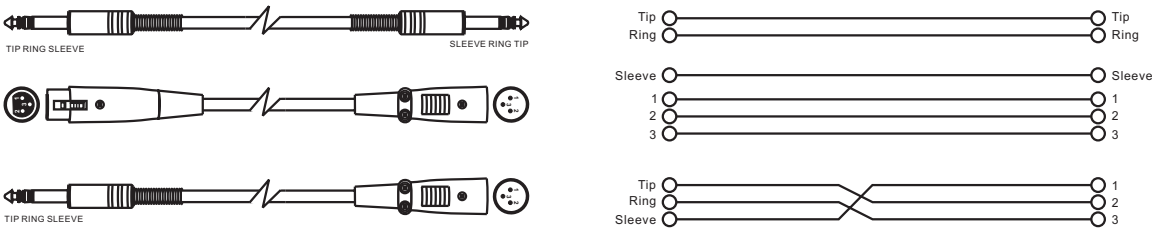


In our cabinets, only 1+/1- are used to connect the Speaker+/Speaker-, and 2+/2- are not used.

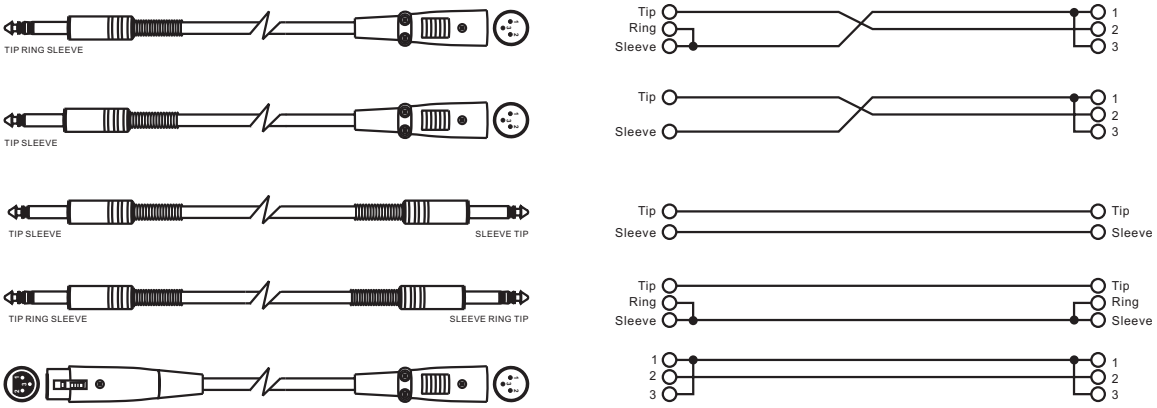
-. For Active Speaker Cabinets

As to these circumstances, audio connections is mostly intended for the signal flow, so, determine the wire configuration according to your real application system and its connecting facility. Normally, you have the following choices:

- Balanced



- Unbalanced



5. ELVIS TECHNICAL SPECIFICATIONS

	ELVIS10	ELVIS12	ELVIS15	ELVIS12M	ELVIS15M
System type	2-way vented box	2-way vented box	2-way vented box	2-way vented box	2-way vented box
Continuous power	120W AES standard	180W AES standard	250W AES standard	180W AES standard	250W AES standard
Peak Power Rating	240W Peak	360W Peak	500W Peak	360W Peak	500W Peak
Sensitivity (1W, 1m)	96dB/116.5dB Max	97dB/119.5dB Max	98dB/122dB Max	97dB/119dB Max	98dB/122dB Max
Frequency Response	65Hz/20kHz +/-6dB	60Hz/20kHz +/-6dB	55Hz/20kHz +/-6dB	75Hz/20kHz +/-6dB	55Hz/20kHz +/-6dB
Impedance	8Ohm Nominal	8Ohm Nominal	8Ohm Nominal	8Ohm Nominal	8Ohm Nominal
Crossover Frequency	2700Hz 12dB/oct	2500Hz 12dB/oct	2200Hz 12dB/oct	2500Hz 12dB/oct	2200Hz 12dB/oct
Protection	Electronics High Frequencies Protection				
Low-Frequency	10"/266mm woofer	12"/318mm woofer	15"/385mm woofer	12"/318mm woofer	15"/385mm woofer
High-Frequency	1" Compression Driver	1"Compression Driver	1"Compression Driver	1"Compression Driver	1"Compression Driver
Spherical Wave Guide	Custom Horn with Polypropilene Reinforced				
Horn Coverage	80°H x80°V	80°H x 80°V	80°H x 80°V	80°H x 80°V	80°H x 80°V
Connectors(+1/-1)	2xSPK4 Input/Link @+1/-1 connected - +2/-2 not connected				
Enclosure	Trapezoidal cabinet in 18mm particle board P.B. -Covered with resistant carpet -Black metal grille protection				
Dimensions HxWxD	580x345x305mm	635 x405 x340mm	700 x455 x370mm	615 x400 x345mm	680 x450 x370mm
Net Weight lbs/kg	31.22lbs/14.16kg	40.34lbs/18.30kg	50.17lbs/22.76kg	38.93lbs/17.66kg	50.88lbs/23.08kg
Gross Weight lbs/kg	37.92lbs/17.2kg	48.28lbs/21.9kg	58.86lbs/26.7kg	46.29lbs/21kg	62.26lbs/28.24kg
Volume	4.58CFT	6.03CFT	7.35CFT	6.10CFT	8.12CFT

	ELVIS12S	ELVIS15S
System type	vented box	vented box
Continuous Power	200W AES standard	300W AES standard
Peak Power Rating	400W Peak	600W Peak
Sensitivity (1W, 1m)	97dB/119dB Max	98dB/122dB Max
Frequency Response	50Hz/20kHz +/-6dB	45Hz/20kHz +/-6dB
Impedance	4Ohm Nominal	4Ohm Nominal
Crossover Frequency	125Hz 6dB/oct	125Hz 6dB/oct
Protection		
Low-Frequency	12"/318mm woofer	15"/385mm woofer
High-Frequency		
Spherical Wave Guide		
Horn Coverage		
Connectors (+1/-1)	2xSPK4 @ in/out	2xSPK4 @ in/out
Enclosure	Trapezoidal cabinet in 18mm particle board P.B. -Covered with resistant carpet -Black metal grille protection	
Dimensions HxWxD	495x400x455mm	565x455x525mm
Net Weight lbs/kg	51.15lbs/23.2kg	65.48lbs/29.7kg
Gross Weight lbs/kg	57.98lbs/26.3kg	74.52lbs/33.8kg
Volume	6.15CFT	8.67CFT

	ELVIS10A	ELVIS12A	ELVIS15A	ELVIS12MA	ELVIS15MA
Output Power IHF	150Watt IHF	250Watt IHF	350Watt IHF	250Watt IHF	350Watt IHF
Output Power RMS	120Watt RMS	180Watt RMS	250Watt RMS	180Watt RMS	250Watt RMS
Max SPL at 1mt	117.5 dB (IHF Power)	121 dB (IHF Power)	123 dB (IHF Power)	121 dB (IHF Power)	123 dB (IHF Power)
Input Sensitivity	Line 0dB/0.775V/Mic-10 at -45dB				
Input Impedance	30kOhms Balanced - 15kOhms Unbalanced				
Connectors	Mic on XLR/Line Input on Combo/Line-Mix Output on XLR				
Subsonic Filter	30Hz - 24dB/oct.	30Hz - 24dB/oct.	30Hz - 24dB/oct.	30Hz - 24dB/oct.	30Hz - 24dB/oct.
Protections	Soft - Start, compressor				
External Control	Mic Gain - EQ-High-Mid-Low-Volume-Ground Switch				
Power Supply	230Volt/115Volt 50 / 60Hz				
Net Weight lbs/kg	40.12lbs/18.2kg	50.95lbs/23.11kg	62.83lbs/28.5kg	49.54lbs/22.47kg	65.15lbs/29.55kg
Gross Weight lbs/kg	46.83lbs/21.24kg	58.89lbs/26.71kg	71.52lbs/32.44kg	56.92lbs/25.82kg	76.52lbs/34.71kg
Volume	4.58CFT	6.03CFT	7.35CFT	6.10CFT	8.12CFT

	ELVIS12SA	ELVIS15SA
Output Power IHF	250Watt IHF	350Watt IHF
Output Power RMS	180Watt RMS	250Watt RMS
Max SPL at 1mt	121 dB (IHF Power)	123 dB (IHF Power)
Input Sensitivity	Line 0dB/0.775V	
Input Impedance	30kohms-input/600ohms-output	
Connectors	L/Mono-R IN on XLR/L-R OUT on XLR	
Subsonic Filter	Electronic Crossover 125Hz at 24dB/oct.	
Protections	Soft - start, compressor	
External Control	Volume - Stereo/Mono & Ground Swicth	
Power Supply	230Volt/115Volt 50/60Hz	
Net Weight lbs/kg	60.36lbs/27.38kg	76.68lbs/34.78kg
Gross Weight lbs/kg	67.19lbs/30.48kg	85.72lbs/38.88kg
Volume	6.15CFT	8.67CFT

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